

**Project Name:**

Water Quality Work Team for the California Water Plan Update 2013

<b>Sponsor/Program Manager</b>	Paul Massera
<b>Project Manager</b>	Lewis Moeller

**Project Objective Statement:**

Highlight regional and statewide water quality threats and identify strategies to improve water quality all described within the Strategic Plan Objectives, Resource Management Strategies and Regional Reports of the California Water Plan

**Triple Constraint Trade-off**

<b>Resources</b>	M	<i>Select a different flexibility letter for each constraint</i> <i>N= Not Flexible</i> <i>S= Somewhat Flexible</i> <i>M= Most Flexible</i>
<b>Schedule</b>	N	
<b>Scope</b>	S	

<b>Estimated Start Date:</b>	7/1/2010	<b>Estimated End Date:</b>	9/1/2013
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**Project Deliverables:**

By October 2012, complete progress report towards implementing and/or meeting the water quality recommendations in the Water Plan Update 2009. (See Vol 1, Ch. 7, Obj No. 4.)

By January 2013, complete draft of the water quality portions of the Water Plan Update 2013 for public review and comment. These elements include:

1. Updating the Water quality section in the California Water Today Chapter of the Strategic Plan.
2. Updating the water quality objective in the Strategic Plan and include specific actions related to drinking water quality.
3. Updating the Resource Management Strategies (RMS) identified to "Improve Water Quality" and describe how each RMS meets the objective of the Strategic Plan. These RMS include Drinking Water Treatment and Distribution, Groundwater and Aquifer Remediation, Matching Water Quality to Use, Pollution Prevention, Salt and Salinity Management, and Urban Runoff Management.
4. Reviewing the remaining RMS to identify those that also provide a management objective of improving water quality.
5. Updating the water quality sections within the ten (10) Regional Reports and two (2) Areas of Special Interest, and building on Update 2009 content to also include the following items:
  - a. Include water quality data to assess if water quality is improving/degrading. For Update 2013 start by assessing a few constituents within one or two regions.
  - b. Water Quality Status/Report Card for each region.
  - c. Identify major water quality projects (both prevention & treatment) for each region
  - d. Compile inventory of drinking water systems, wastewater systems, and recycled water systems and classify them as large/medium/small.

**Strategic Fit:**

Supports integrated regional water management  
Supports recommendations of the California Water Plan Update 2009

**Customer:**

State Agency Steering Committee  
Public Advisory Committee  
Tribal Advisory Committee  
Department of Water Resources  
Federal Agencies (USBR, USGS, USACE)  
Local and Regional Water Planners  
General Public for education on water quality issues and strategies to improve water quality

**Customer Benefits:**

- Highlights regional and statewide water quality threats to water supplies, public health, and the environment.
- Identifies strategies to prevent water quality degradation and improve water quality.

**Successful Completion Criteria:**

- Success of this project will depend on active participation from members of the State Agency Steering Committee, Public Advisory Committee, and Tribal Advisory Committee working to improve the water quality content in the Water Plan.
- Number of entities outside the Water Plan using water quality information found in the Water Plan.
- Number of positive comments on the Water Plan that the water quality information was useful and relevant.

**Project Background:**

Highlighting existing and future water quality issues that may affect a water supply, public health, and/or the environment and identifying strategies to improve water quality are key components of the Water Plan. The Water Plan includes ten (10) Regional Reports and two (2) Areas of Special Interest, and each report includes a water quality section that focuses awareness on water quality issues within the region or area. A goal for the Water Plan Update 2013 is to include the status of drinking water quality within each regional report. Volume 2 of the Water Plan includes strategies to improve water quality, and in Water Plan Update 2009 six (6) strategies were specifically identified to improve water quality these included: Drinking Water Treatment and Distribution, Groundwater and Aquifer Remediation, Matching Water Quality to Use, Pollution Prevention, Salt and Salinity Management, and Urban Runoff Management. A goal for Water Plan Update 2013 is to select the appropriate strategies that should be utilized to improve water quality for each region.

The effort to identify water quality issues within the Water Plan is intended to maintain and improve water quality within each region. Ultimately the consequence of poor water quality is the necessity by water suppliers to install treatment which increases the cost to supply water due to initial capital costs and ongoing operation and maintenance costs. If treatment costs are too high and unaffordable, the source may not be utilized thereby reducing the available supply sources. Poor water quality also poses a risk to protecting public health and the environment since the residents of California rely on surface and groundwater as their source of drinking water, many Californians recreate at local rivers and lakes, some consume fish caught at local rivers and lakes that may have consumption advisories, and the environment and natural ecosystem is negatively affected when poor water quality stresses aquatic organisms.

**Project Scope:**

In Scope:	Out of Scope:
<ul style="list-style-type: none"> <li>• Progress Report on meeting water quality recommendations in CWP Update 2009.</li> <li>• Regional overview of groundwater and surface water quality</li> </ul>	<ul style="list-style-type: none"> <li>• Developing water quality regulations</li> </ul>

- Identify Resource Management Strategies that may be used to improve water quality

**Dependent Projects:****Dependent/Related Projects:**

- Regional Planning efforts must be underway

**Risks:**

- Limited involvement by water quality content writers (outside of DWR) due to competing time demands
- Lack of interest/participation by members of the State Agency Steering Committee, Public Advisory Committee, and Tribal Advisory Committee
- Lack of participation at Regional Forums and/or Water Quality Caucus.
- Turnover of key staff

**Assumptions and Constraints:****Assumptions**

- Water quality experts from state agencies/departments outside of DWR receive the full support from their respective executive management to contribute to the development of the water quality portions of the water plan.
- No turnover in key staff

**Constraints**

- Draft Water Plan Update 2013 due January 2013
- Water Quality experts (outside of DWR) have competing time demands which may limit their involvement with the water plan
- No funding available for state agencies/departments that provide water quality content for the Water Plan

**This Project Should Have:**

<b>Project Management Plan</b> <input type="checkbox"/>	PMP will include: <i>check all that apply</i>	Work Breakdown Structure <input type="checkbox"/>	Communications Plan <input type="checkbox"/>	Procurement Plan <input type="checkbox"/>	Human Resources Plan <input type="checkbox"/>
Quality Management Plan <input type="checkbox"/>	Stakeholder Register <input type="checkbox"/>	Risk Register <input type="checkbox"/>	Project Budget <input type="checkbox"/>	Project Schedule <input type="checkbox"/>	DWR Form 1498 <input type="checkbox"/>

**Major High-Level Milestone Targets:** *What events measure progress? E.g. Initiation Approved, Analysis Complete.*

Milestone	Target Date
Complete progress report towards implementing and/or meeting the water quality recommendations in the Water Plan Update 2009.	Oct 2012
Complete draft of the water quality portions of the Water Plan Update 2013 for public review and comment.	Jan 2013


**Project Core Team Members**

Team Member	Phone/E-mail	Role
Lewis Moeller		Project Manager
Jose Alarcon		Team Lead / Technical Support
SWRCB / RWQCB staff		Technical Support
CDPH Drinking Water Staff		Technical Support
DWR Regional Office staff		Technical Support

Charter Version Number: 1

Updated By: Jose Alarcon

Date: 12/10/10

Approved By:

Date:

**Funding Information**

Project Budget:	\$
Fund Center Title	
Fund Center Number	
Organization	DWR – Division of Statewide Integrated Water Management
Contact Person	Jose Alarcon
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